

Intern Tutorials

Tutorial One: Intro to Rails (Rails)

Preparing for Local Rails Development

If needed, install homebrew:

```
# Check for homebrew.  
brew  
  
# If no known command, then:  
ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/homebrew/go/install)"
```

Install RVM locally:

```
curl -L get.rvm.io | bash -s stable  
source ~/.rvm/scripts/rvm  
rvm requirements  
rvm install 2.1.0  
rvm rubgems current
```

Create RVM Gemset:

```
# Note: Replace APP_NAME with the app_name of the project.  
# Run 'cat .ruby-gemset' to see the name your gemset should have  
  
rvm gemset create APP_NAME
```

Install Rails:

```
gem install rails --no-ri --no-rdoc
```

Install Bundler:

```
gem install bundler
```

‘Git-ing’ the Project

Next, you’ll need to clone the project from github. You can do this using Github.app or via git in the terminal.

To do this via the terminal, ‘cd’ into your target directory. Then visit the repository on Github and find the clone URL on the right-hand side of the screen.

Then run:

```
git clone CLONE_URL
```

Congrats! You should now have access to the repository

Now, before you begin adding code, you should create a new branch. Name it based on what feature you are working on (This can be done through the Github.app as well or via terminal.)

Note: You should read thru this ([Branching Workflow](#)) to learn about this method of git workflow.

```
git branch BRANCH_NAME
```

Switch to this new branch:

```
git checkout BRANCH_NAME
```

After making your changes, create a commit on your branch.

```
git commit -a -m '...Insert message explaining your changes'
```

Coding

Now that you've got the rails project setup and you know how to commit changes, it's time to start coding.

Make sure you are familiar with the content here: [Rails Guide: Getting Started](#). It will be crucial to learning about the structure of rails. (Note: The rails project has already been created for you this time, but be familiar with how you would create a new project)

Let's Begin:

Using rails command line tools, create (`generate`) a new controller called 'HomeController'.

(*Hint*: Rails will append the 'Controller' string for you)

Create a method in this controller called index which will become the root page for the entire project. Because this is a method that will have a view, you will also need to add a `METHOD_NAME.html.erb` view file in the proper directory. (Note: this can be auto-generated for you if you feed the proper parameters to the `generate` method above)

In your new view file, write the follow:

```
<h1> Hello, Rails </h1>
<h3> My name is (INSERT NAME) </h3>
```

In the `routes.rb` , make sure you add your new method as the root.

Now, you should be able to start a rails server (see Getting Started guide to figure out

how). Direct your browser to `localhost:3000` and you should see the HTML you typed above.

Commit your changes to your git branch and then push your branch changes to the server.

Visit Github and create a pull request ([Creating a Pull Request](#)) so that your changes can be discussed and then, if all is well, merged into the `master` branch.

Resources

Important Resources:

- [Rails Guides](#)

Other Resources to Look Through:

- [Github Guides](#)

Quiz:

1. What is a gem? What file are they listed in?
2. What is the purpose of RVM? What is a gemset?
3. By default, `rails server` starts on what port number? How can I specify a different port?

Reflection:

1. What errors did you encounter?
2. What do you still not feel comfortable with?